

Art Unit 2616
Serial No. 09/560,722

PATENT
Attorney Docket No.: K35A0604

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-21. (Cancelled)

22. (New) A video recording system to record an external video data stream for a video program segment selected using an electronic program guide, the video recording system comprising:

a user interface that receives user input;

a video input interface that receives the external video data stream for the selected video program segment;

an isochronous interface connectable to an external hard disk drive; and

a video data management system that:

uses the electronic program guide to select the video program segment in response to the user input and to control playback commands of the video data management system;

recognizes connection of the external hard disk drive to the video recording system and subsequently identifies the external hard disk drive as available for video data storage;

uses the external video data stream for the video program segment to provide streaming video data;

selects at least a portion of the streaming video data to be routed to the external hard disk drive based on user input, an electronic program guide, and information regarding the storage capacity of the external hard disk drive; and

routes the selected portion of the streaming video data to the external hard disk drive via the isochronous interface in order to record the external video data stream for the video program segment, wherein the playback commands are usable while the external video data stream is being recorded.

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23. (New) The video recording system of Claim 22, further comprising a set-top box that receives the external video data stream from a multiple-service operator.

24. (New) The video recording system of Claim 22, wherein the set-top box comprises an internal hard disk drive.

25. (New) The video recording system of Claim 24, wherein the internal hard disk drive is comprises an IDE interface.

26. (New) The video recording system of Claim 22 further comprising a personal video recorder that receives the external video data stream.

27. (New) The video recording system of Claim 26, wherein the personal video recorder comprises an internal hard disk drive.

28. (New) The video recording system of Claim 27, wherein the internal hard disk drive comprises an IDE interface.

29. (New) The video recording system of Claim 22, wherein the video data management system automatically recognizes connection of the external hard disk drive to the video recording system.

30. (New) The video recording system of Claim 22, wherein the isochronous interface is compatible with the IEEE 1394 standard.

31. (New) The video recording system of Claim 22, wherein the external video data stream and streaming video data include video data and audio data.

32. (New) The video recording system of Claim 22, wherein the video data management system further comprises a video data encoder that encodes at least a portion of the streaming video data.

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33. (New) The video recording system of Claim 22, wherein the video data management system further comprises a video data encrypter that encrypts at least a portion of the streaming video data.

34. (New) The personal video recorder of Claim 22, wherein the video data management system comprises an internal hard disk drive and routes at least a portion of the streaming video data to the internal hard disk drive.

35. (New) A method of enabling the recording of an external video data stream for a video program segment selected using an electronic program guide, the method comprising:

receiving user input by a video recording system that comprises an isochronous interface connectable to an external hard disk drive;

receiving the external video data stream for the selected video program segment by the video recording system;

using the electronic program guide to select the video program segment in response to the user input and to control playback commands of the external video data stream;

recognizing connection of the external hard disk drive and subsequently identifying the external hard disk drive as available for video data storage;

using the external video data stream for the video program segment to provide streaming video data; and

routing at least a portion of the streaming video data to the external hard disk drive via the isochronous interface in order to record the external video data stream for the video program segment, wherein the playback commands are usable while the external video data stream is being recorded.

36. (New) The method of Claim 35, wherein the method further comprises encoding at least a portion of the streaming video data.

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37. (New) The method of Claim 35, wherein the method further comprises encrypting at least a portion of the streaming video data.

38. (New) The method of Claim 35, wherein the method further comprises routing the portion of the streaming video data to either an internal hard disk drive or the external hard disk drive.

39. (New) The method of Claim 38, wherein the method further comprises routing the portion of the streaming video data to the external hard disk drive when the storage capacity of the internal hard disk drive is insufficient to accommodate the anticipated size of the portion of the streaming video data to be recorded.